

To: Operations and Scheduling Committee

Date: 8/25/2022

From: J. Scott Mitchell, Chief Operating Officer

Reviewed by: *WC.*

SUBJECT: Purchase of WAVE Inductive Chargers for Concord Facility

Background:

In 2016 the Authority purchased and installed two (2) EFACEC battery chargers at the Concord facility to support the operation of the four (4) battery electric trolleys that are used on the Route 4 in Walnut Creek. These chargers are built in Portugal and were the only chargers that could be used with the BAE system used on the trolleys. These chargers are no longer being supported by the manufacturer, are currently inoperative and need to be replaced.

Summary of Issues:

We currently have eight (8) battery electric buses requiring overnight charging at the Concord facility to ensure reliable, efficient operation of these vehicles. The buses are also designed to use the WAVE Inductive chargers in the field located at the Walnut Creek BART station. County Connection has been using the WAVE Inductive chargers for six (6) years at Walnut Creek BART, and they have proven to be very reliable. The existing County Connection buses can only be charged by EFACEC depot chargers or the WAVE system. WAVE Inc. is an American company and meets all Federal Transit Buy America guidelines. Since the EFACEC depo chargers are no longer functioning and support is no longer available, staff believes the best solution would be to install WAVE chargers at the depot as a replacement system.

Staff requests authorization to purchase two (2) 50 kW WAVE Inductive charging units for the Concord facility.

This project will require construction. Staff is currently working on an Invitation for Bid (IFB) for the construction component of this project and will bring back to the Committee a recommendation for a contractor after bids are received.

Financial Implication:

The Authority has a Low/No Grant and Prop IB Funds to cover the cost of project.

Two (2) 50 kW Chargers: \$370,000

Recommendation:

Staff requests the O&S Committee recommend that the Board of Directors at its September 15, 2022, meeting, adopt a resolution authorizing the General Manager to release a purchase order to WAVE Inc. for the purchase of the WAVE system with a price not to exceed \$370,000.

Attachments:

None